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INFORMATION
DISCLOSURE STATEMENT
Examining Group 1614
Patent Application
Docket No. UF-300XC2
Serial No. 10/666,191

February 5, 2004

Margaret Efron, Patent Attorney

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Laszlo Prokai, Katalin Prokai, James Simpkins
Serial No. : 10/666,191
Filed : September 17, 2003
Art Unit : 1614
Conf. No. : 8784
For : Steroidal Quinols and Their Use for Estrogen Replacement

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§1.56, 1.97, AND 1.98

Sir:

In accordance with 37 C.F.R. §1.56, the references on the attached form PTO/SB/08 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited documents are enclosed.

The undersigned hereby certifies that some items of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement



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Docket No. UF-300XC2
Serial No. 10/666,191

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO/SB/08 with initials or other appropriate marks.

Applicants respectfully assert that the substantive provisions of 37 C.F.R. §§ 1.56, 1.97, and 1.98 are met by the foregoing statements.

Respectfully submitted,

Margaret Efron
Patent Attorney
Registration No. 47,545
Phone No.: 352-375-8100
Fax No.: 352-372-5800
Address: Saliwanchik, Lloyd & Saliwanchik
A Professional Association
2421 N.W. 41st Street, Suite A-1
Gainesville, FL 32606-6669

MHE/rpj

Attachments: Form PTO/SB/08A
Copies of references cited

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/666,191
				Filing Date	September 17, 2003
				First Named Inventor	Laszlo Prokai
				Art Unit	1614
				Examiner Name	
Sheet	1	of	3	Attorney Docket Number	UF-300XC2

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US 5,108,996	04-28-1992	Claussner <i>et al.</i>	
	U2	US 5,395,831	03-07-1995	Gemmill, Jr. <i>et al.</i>	
	U3	US 5,552,395	09-03-1996	Gemmill, Jr. <i>et al.</i>	
	U4	US 5,554,601	09-10-1996	Simpkins <i>et al.</i>	
	U5	US 5,859,001	01-12-1999	Simpkins <i>et al.</i>	
	U6	US 6,197,833 B1	03-06-2001	Simpkins <i>et al.</i>	
	U7	US 6,319,914 B1	11-20-2001	Simpkins <i>et al.</i>	
	U8	US 6,583,170	06-24-2003	Pickar <i>et al.</i>	
	U9				
	U10				
	U11				
	U12				
	U13				
	U14				
	U15				
	U16				
	U17				

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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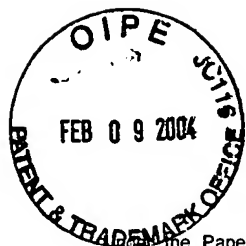
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		Filing Date	September 17, 2003		
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		Group Art Unit	1614		
		Examiner Name			
Sheet	2	of	3	Attorney Docket Number	UF-300XC2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R1	BREUER, H. and KOSTER, G. (1974) "Interaction Between Oestrogens and Neurotransmitters at the Hypophysial-Hypothalamic Level." <i>Journal of Steroid Biochemistry</i> . Vol. 5, pp. 961-967.	
	R2	GALDECKI, Z., P. <i>et al.</i> (1987) "Structure of 2,4-Dibromo-10 β , 17 β -dihydroxy-1,4-estradien-3-one" <i>Acta Cryst.</i> Vol. c43, pages 967-968.	
	R3	HIEMKE, C. <i>et al.</i> (1992) "Actions of Sex Hormones on the Brain." <i>Prog. Neuro-Psychopharmacol. & Biol. Psychiat.</i> Vol. 16, pp. 377-388.	
	R4	KUPFER, RENE, LONG YU LIU, ALBAN J. ALLENTOFF, JOHN A. THOMPSON (2001) "Comparisons of Hydroperoxide Isomerase and Monooxygenase Activities of Cytochrome P450 for Conversions of Allylic Hydroperoxides and Alcohols to Epoxyalcohols and Diols: Probing Substrate Reorientation in the Active Site" <i>Biochemistry</i> 40:11490-11501.	
	R5	LIANG, Y. <i>et al.</i> (2001) "Membrane fluidity effects of estratrienes." <i>Brain Research Bulletin</i> . Vol. 54, No. 6, pp. 661-668.	
	R6	MCCULLOUGH, LOUISE D. and PATRICIA D. HURN (July 2003) "Estrogen and Ischemic Neuroprotection: an integrated view" <i>Trends in Endocrinology and Metabolism</i> 14(5):228-235.	
	R7	MILIC, D. <i>et al.</i> (1999) "X-Ray Crystal Structure of 10 β -Hydroxy-4 β ,5 β -epoxyestr-1-en-3,17-dione and Antitumor Activity of its Congeners" <i>Molecules</i> , Vol. 4, pp.338-352.	
	R8	MILIC, D. <i>et al.</i> (1997) "The Synthesis and Biological Evaluation of A-Ring Substituted Steroidal <i>p</i> -Quinones" <i>Tetrahedron</i> , Vol. 53, No. 41, pp. 14073-14084.	
	R9	MILIC, D. <i>et al.</i> (1997) "Structure and Reactivity of Steroidal Quinones" <i>J. Serb. Chem. Soc.</i> , Vol. 62, No. 9, pp. 755-768.	
	R10	NILSEN, J. and BRINTON, D. (2003) "Divergent Impact of Progesterone and Medroxyprogesterone Acetate (Provera) on Nuclear Mitogen-activated Protein Kinase Signaling." Vol. 100, No. 18, pp.10506-10511.	
	R11	NILSEN, JON and ROBERTA DIAZ BRINTON (January 2002) "Impact of Progestins on Estrogen-Induced Neuroprotection: Synergy by Progesterone and 19-Norprogesterone and Antagonism by Medroxyprogesterone Acetate" <i>Endocrinology</i> 143(1):205-212.	
	R12	NUMAZAWA, MITSUTERU, KUMIKO HOSHI, KATSUHIKO KIMURA (1989) "Oxygenation of 2,4-Dibromoestrogens with Nitric Acid: A New Synthesis of 19-Nor Steroids" <i>Chem. Pharm Bull.</i> 37(8):2058-2062.	

Examiner Signature	Date Considered
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

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Sheet	3	of	3
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R1	OHE, TOMOYUKI, MASAOKI HIROBE, TADAHIKO MASHINO (2000) "Novel Metabolic Pathway of Estrone and 17 β -Estradiol Catalyzed by Cytochrome P-450" <i>Drug Metabolism and Disposition</i> 28(2):110-112.	
	R2	PROKAI, K. et al. (2003) "Modifying Peptide Properties by Prodrug Design For Enhanced Transport into CNS." <i>Progress in Drug Research</i> , Vol. 61, pp. 158-188.	
	R3	PROKAI, L. et al. (2003) "Quinol-based Cyclic Antioxidant Mechanism in Estrogen Neuroprotection" <i>PNAS</i> , Vol. 100 No. 20, pp. 11741-11746.	
	R4	PROKAI, L. et al. (2003) "Short Communication: Quinol-Based Metabolic Cycle For Estrogens in Rat Liver Microsomes" <i>Drug and Metabolism and Disposition</i> , Vol. 31, No. 6, pp. 701-704.	
	R5	PROKAI, L. et al. (2001) "Synthesis and Biological Evaluation of 17 β -Alkoxyestra-1,3,5(10)-trienes as Potential Neuroprotectants Against Oxidative Stress" <i>J. Med. Chem.</i> , Vol. 44, pp. 110-114.	
	R6	PROKAI, L., et al. (2000) "Targeting Drugs to the Brain by Redox Chemical Delivery Systems" <i>Med. Res. Rev.</i> , Vol. 20, No. 5, pp. 367-416.	
	R7	SOLAJA, B. et al. (1996) "A Novel <i>m</i> -CPBA Oxidation: <i>p</i> -Quinolns and Epoxyquinolns from Phenols" <i>Tetrahedron Letters</i> . Vol. 37, No. 21, pp. 3765-3768.	
	R8		
	R9		
	R10		
	R11		
	R12		

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